

Avery Dennison® HP 700 High Performance Calendered Series

Opaque Permanent Kraft

(formerly: A6 Opaque Series – 78#)

Revision: 9 Dated: 03/13/17

Uses:

Avery Dennison® HP 700 series calendered films are premium quality, flexible, opaque solid color vinyl films (available in a number of finish options), designed for use in a wide range of sign making applications. This product is ideal for a variety of intermediate term outdoor projects.



Face: calendered film
3.0 mil (76 µm) gloss, matte
2.8 mil (71 µm) high gloss



Adhesive: Permanent Clear Acrylic



Liner: 78# Bleached Kraft



Durability: Up to 6 years

Application Surfaces:

Flat, Simple Curves

Features:

- Outstanding durability and outdoor performance
- Dimensionally stable liner for easy converting
- Medium gloss finish
- Excellent conversion on CAD plotters
- Easy cutting & weeding
- Good dimensional stability
- Good UV, temperature, humidity, and salt-spray resistance

Conversion:

- Thermal Die-Cutting
- Flat Bed Sign-Cut
- Drum Roller Sign-Cut
- Steel Rule Die-Cutting
- Thermal Transfer

Common Applications:

- Trucks
- Trailers
- Cars & Vans
- Banners
- Architectural Signage
- Directional Signage
- Trains & light rail
- Buses
- Outdoor advertising

Product Data Sheet

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Physical Characteristics:

Property	Value
Caliper, face	3.0 mil (76 µm) gloss, matte 2.8 mil (71 µm) high gloss
Caliper, adhesive	1.0mil (25 µm)
Dimensional stability	<0.03"(0.765mm)
Tensile at Yield	9.0 - 15.0 lb/in (1.6 - 2.7 kg/cm)
Elongation	100% min.
Gloss at 60°	high gloss 90±10 gloss 70 matte <20
Adhesion: 15 min.	3.0 lbs/in (525 N/m)
24 hr.	4.4 lbs/in (770 N/m)
Flammability	Self Extinguishing
Shelf-Life	2 years from date of manufacture (when stored at the following temperatures and humidity conditions 68°-77° F (20° - 25° C) and 50±5% R. H.)
Durability	Reference color and warranty charts in this data sheet.
Min. Application Temperature	50° F (10° C)
Service Temperature	-40° to 180°F (-40° to 82° C) (Reasonable range of temperatures which would be expected under normal environmental conditions).
Chemical resistance	Resistant to most mild acids, alkalis, and salt solutions.

Data represents average values where applicable, and is not intended for specification purposes.

Warranty:

This Warranty applies to the Product listed in this Data Sheet. All statements, technical information (including physical and chemical characteristics) and recommendations about Avery Dennison products are based upon tests believed to be reliable but do not constitute a guarantee or warranty. All Avery Dennison products are sold subject to the Purchaser's assent and agreement that Purchaser is responsible for, and has independently determined, the suitability of such products for its purposes or its customer's purposes. Avery Dennison products are warranted to be free from defects in material and workmanship (i) for two years from the date of manufacture, or (ii) from the date of manufacture until the expiration of the period stated on the specific Product Data Sheet in effect at the time of delivery.. Such time periods are subject in either case to the proper storing and application of said product, and the failure to properly store or apply the product, including without limitation the failure to follow any applicable Instructional Bulletin, negates any warranty. It is expressly agreed and understood that Avery Dennison's sole obligation and Purchaser's exclusive remedy under this warranty, under any other warranty, express or implied, or otherwise, shall be limited exclusively to: (a) repair or replacement of defective product without charge at Avery Dennison's plant or at the location of the product (at Avery Dennison's election), or (b) in the event repair or replacement are not commercially practical, a credit amount up to the price of the product taking into account the defect in the product in Avery Dennison's sole discretion.

THE WARRANTY EXPRESSLY SET FORTH ABOVE IS IN LIEU OF ANY OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR ANY PARTICULAR USE AND/OR NON-INFRINGEMENT. SELLER SPECIFICALLY DISCLAIMS AND EXCLUDES ALL OTHER SUCH WARRANTIES. NO WAIVER, ALTERATION, ADDITION OR MODIFICATION OF THE FOREGOING CONDITIONS SHALL BE VALID UNLESS MADE IN WRITING AND MANUALLY SIGNED BY AN OFFICER OF AVERY DENNISON.

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All sales and contracts for sale of Products are subject to Purchaser's assent and agreement to this Warranty. Avery Dennison hereby objects to any terms or conditions contained in any purchase order or other communication of any kind from the Purchaser that is conflicting, inconsistent or additional to this Agreement.

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Colors Cross Reference:

HP 700 Series Name	Item #'s	Vertical Durability Zone 1 Years
HP 700-100-O High Gloss Transparent	5100O	4
HP 700-101-O White (with blue liner)	6001O	6
HP 700-102-O Matte White (with blue liner)	6002O	6
HP 700-103-O Clear	6003O	4
HP 700-105-O True White (with blue liner)	6005O	6
HP 700-110-O High Gloss White (with blue liner)	5110O	6
HP 700-170-O High Gloss Black	5170O	6
HP 700-180-O Matte Black	6080O	6
HP 700-190-O Black	6090O	6
HP 700-210-O Primrose Yellow	6110O	6
<i>HP 700-215-O Gold</i>	6247O	1
HP 700-225-O Rubber Duckie	6125O	6
HP 700-235-O Yellow	6135O	6
HP 700-250-O Dark Yellow	6150O	6
HP 700-253-O Imitation Gold	6250O	6
HP 700-315-O Tangerine	6315O	5
HP 700-380-O Bright Orange	6180O	5
HP 700-413-O High Gloss Red	5413O	4
HP 700-430-O Cardinal Red	6330O	6
HP 700-440-O Red	6340O	6
HP 700-445-O Fire Red	6345O	6
HP 700-450-O Dark Red	6350O	6
HP 700-470-O Burgundy	6370O	6
HP 700-508-O Soft Pink	6408O	6
HP 700-515-O Blossom	6415O	6
HP 700-519-O Blush	6419O	6
HP 700-565-O Purple	6465O	6

HP 700 Series Name	Item #'s	Vertical Durability Zone 1 Years
HP 700-570-O Berry	6470O	6
HP 700-625-O Majestic Blue	6525O	6
HP 700-630-O Olympic Blue	6530O	6
HP 700-640-O Light Blue	6540O	6
HP 700-642-O Cascade Blue	6542O	6
HP 700-655-O Medium Blue	6573O	6
HP 700-670-O Vivid Blue	6570O	6
HP 700-683-O Royal Blue	6583O	6
HP 700-687-O Impulse Blue	6587O	6
HP 700-695-O Dark Blue	6595O	6
HP 700-715-O Real Teal	6150O	6
HP 700-720-O Teal	6620O	6
HP 700-758-O Iguana Green	6658O	1
HP 700-770-O Kelly Green	6670O	6
HP 700-778-O Green	6678O	6
HP 700-780-O Yellow Green	6680O	6
HP 700-785-O Forest Green	6685O	6
HP 700-793-O Dark Green	6693O	6
HP 700-801-O Silver	6077O	1
HP 700-830-O Slate Gray	6030O	6
HP 700-835-O Medium Gray	6035O	6
HP 700-855-O Dark Gray	6055O	6
HP 700-870-O Battleship Gray	6070O	6
HP 700-920-O Beige	6220O	6
HP 700-983-O Dark Brown	6283O	6
HP 700-990-O Chocolate Brown	6290O	6

NOTE: Some color fade may occur in severe environmental areas. Reference IB 1.30 for durability guidelines.

Discontinued Colors:

HP 700 Series Name	Item #'s	Vertical Durability Zone 1 Years	Date
HP 700-425-O Tomato Red Δ	6325O	5	01/01/16
HP 700-432-O True Red	6332O	6	01/01/16
HP 700-460-O Spectra Red	6360O	6	01/01/16
HP 700-608-O Vibrant Blue	6508O	4	01/01/16
HP 700-765-O Olive Green	6665O	6	01/01/16
HP 700-960-O Terra Cotta	6260O	6	01/01/16

HP 700 Series Name	Item #'s	Vertical Durability Zone 1 Years	Date
HP 700-973-O Carmel	6273O	6	01/01/16
HP 700-291-O High Gloss Dark Yellow	5291O	4	01/01/16
HP 700-222-O High Gloss Yellow	5222O	4	01/01/16
HP 700-230-O High Gloss Lemon	5230O	4	01/01/16
HP 700-412-O High Gloss Burgundy	5412O	4	01/01/16
HP 700-697-O Dark Navy Blue	6597O	6	01/01/16

Revisions are italicized
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